

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 32034

Name: Hal C. Porter

Address 15240 North Bahia Drive

P O Box 18515

Fountain Hills AZ 85269

Purchaser: Koch

Operator Contact Person: Hal C. Porter

Phone (602) 816-1802

Contractor: Name: Murfin Drilling Company, Inc.

License: 30606

Wellsite Geologist: Jerry Green

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.

Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator:

Well Name:

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBSD

Commingled Docket No.

Dual Completion Docket No.

Other (SWD or Inj?) Docket No.

Spud Date 3/27/97 Date Reached TD 3/9/97 Completion Date 4/10/97

API NO. 15- 051249560000

County Ellis

SE - SW - SW - Sec. 29 Twp. 11S Rge. 19 EW

150 Feet from N (circle one) Line of Section 29

1200 Feet from E (circle one) Line of Section 29

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Dale Solomon Well # 1

Field Name Wildcat

Producing Formation Arbuckle

Elevation: Ground 2094 KB 2099

Total Depth 3720 PBSD 3684

Amount of Surface Pipe Set and Cemented at 205 Feet

Multiple Stage Cementing Collar Used? Yes x No

If yes, show depth set Feet

If Alternate II completion, cement circulated from TD

feet depth to Surface w/ 225 sx, mud spacer, & 125 sx

Drilling Fluid Management Plan AH-2 12-24-97 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 5.000 ppm Fluid volume 200 bbls

Dewatering method used Allowed to Air Dry

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

Quarter Sec. Twp. S Rng. E/W

County Docket No.

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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Hal C. Porter

Title Operator HAL C. PORTER Date 4/28/97

Subscribed and sworn to before me this 28 day of April 19 97

Notary Public Kathleen Brown

Date Commission Expires 11-27-98

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other (Specify)



Operator Name Hal C. Porter Lease Name Dale Solomon Well # 1

Sec. 29 Twp. 11S Rge. 19 East West
 County Ellis



INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1444	+655
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	3096	-997
List All E.Logs Run: Compensated Density Neutron Sonic Correlation Cement Bond		Heebner	3320	-1221
		Toronto	3342	-1243
		Lansing-Kansas City	3361	-1262
		Base L-KC	3583	-1484
		Arbuckle	3653	-1554
		RTD	3722	-1623

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Casing	12-1/4"	8-5/8"	24#	205	60/40Pos.	145	2% gel
Production Casing	7-7/8"	5-1/2"	15.5	3719	Midcon 2	350 sx	cc. gilsonite

ADDITIONAL CEMENTING/SQUEEZE RECORD **SEE ATTACHED HALLIBURTON REPORT AND DISCUSSION**

Purpose:	Depth	Type of Cement	#Sacks Used	Type and Percent Additives
	Top Bottom			
Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
Four	3659-3661	Dumped 250 gal MCA	3659-61

TUBING RECORD	Size 2-7/8"	Set At 3675	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. April 18 1997 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil 64 Bbls.	Gas Nil Mcf	Water 0 Bbls.	Gas-Oil Ratio Nil	Gravity 26
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Disposition of Gas: Nil **METHOD OF COMPLETION** Production Interval
 Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled 3659-3661
 (If vented, submit ACO-18.) Other (Specify) _____

COPY

HAL C. PORTER
POST OFFICE BOX 18515
FOUNTAIN HILLS, ARIZONA 85269-8515
PHONE: (602) 816-1802 FAX: (602) 816-0603

CELLULAR: 1-602-919-0047
email:forrestgump2@juno.com

15-051-24956-00-00

March 17, 1997

Dale Solomon No. 1
Ellis County, Kansas

Casing and Cementing Report

9 Mar 97: Logged. Ordered 5-1/2" casing. 8PM: Keith Van Pelt called Carl Goodrow, KCC, Hays. Told Carl we would be stage cementing and planned to circulate cement to surface. Carl said, "Go ahead, no one will come out to witness".

10 Mar 97: Ran 3725.03' 5-1/2" 15.5# J-55 No. 1 Used Casing, tested to 4200 psi and drifted. Used HOWCO guide shoe and float insert. Set at 3719' KB. KB is 5' above GL. Float insert at 3688'. Centralizers on top collar of joints 1, 3, 5, 7 and 55 (Anhydrite); cement baskets on top of collars of joints 4, 8 and 56. 10 cable reciprocating scratchers from bottom joint, every ten feet.

HOWCO pumped 12 bbl Clay-Fix water; 225 sx Mid-Con #2 w/2% cc and 1/4# Flocele/sack mixed at 11.1 #/gal. Then 95 bbl mud spacer; then 3 bbl fresh water; 7 bbl Super Flush, 3 bbl fresh water; 125 sx Mid-Con #2 w/2% cc; 5#/sack Gilsonite; 1/8#/sack Flocele w/.3 of 1% Halad 322, mixed at 13.8 #/gal. Flushed lines. Pumped plug down with fresh water.

Full returns of cement to surface. Calculate 75 sx to pit. Plug down at 5:30 AM 3/10/97. Pressured to 1000 psi on plug. Released pressure. Float held.

All during the time Halliburton was pumping to within six barrels of total cement displacement, reciprocated pipe up and down fifteen feet, lowering slowly to prevent piston effect on formation. No indication of any lost circulation. We had LCM in mud. WOC. Released Rig at 5:45AM.

7AM. Cut off 5-1/2". Welded on slip-on collar. Screwed in 5-1/2" x 2" swage. Screwed cap on top of swage. Told Mr. Solomon to run anyone off who tried to mess with well head.

D:\A-AAA\WPDOCS\3-D\ZERFAS-T\SOLOMON.NO1\REPORTS\SOLOMON8.RPT

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04/26/97

Appointments from 03/09/97 to 03/09/97 for User ID

Page 1

Date	Time	Appointment Description
03/09/97	00:00	Mis-run first DST of Arb. Tool Plugged.
03/09/97	00:00	Drilled five more feet, DST of Arb. positive!!
03/09/97	00:00	Planned cement job with Halliburton.
03/09/97	00:00	Ordered casing from Hays.
03/09/97	00:00	Logged well, Laid down drill pipe.
03/09/97	00:00	Called Harry, Lloyd, Dan, email and fax to et als.
03/09/97	00:00	After first Arbuckle test, circulated slug of oil
03/09/97	20:00	Called Carl Goodrow, KCC, Hays, going to circulate
03/09/97	20:01	Cement, Said no one would be out to witness.

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15-051-24956-0000



DATE 3-10-97
TICKET NO. 196116

JOB LOG HAL-2013-C

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Imperial/American Oil		#1		Dre Solomon		5 1/2 Lbs string		196116	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	1830								Called out
	2320								ON location ORIGINAL
									Safety Meeting, Sit up Tr., Discuss Job
									CMT 225 SH Midcon II 11.1 wt
									125 SH Midcon II 13.8 wt
	0025								Start CSM 5 1/2 15.5 #/ft
									# Floater 294.
									Shoe Joint 31 FT
									Centralizers on 1, 3, 5, 7, 55
									Baskets on 4, 8, 56
									10 cable Scraper Joints 2-4 10' apart
	0330								Circ Hole Dog Ball 1 Hr, 4/5 min
	0418		10		✓				St. Clay Cr Flush
	0419	4	12		✓	200			end Clay Cr Flush
	0420		0		✓				St. CMT Midcon II P 7A R. 4. 4/ool
	0435	8 1/2	129		✓	400			end Lead wt. 11.1
	0436		0		✓				St. Mud Spurr
	0451	6	95		✓	400			end Mud Spurr
	0452		0		✓				St. Clay Cr
	0454	4	12		✓	250			end Clay Cr
	0454		0		✓				St. Super Flush + 3 lbs Alkalin
	0503	4	7		✓	250			end Super Flush
	0504		0		✓	250			St. Tail CMT wt. 13.8
	0511	6	36.7		✓	375			end Tail CMT
	0515				✓				WASH OUT P.L., Drop Plug
	0516		0		✓				Start Job
	0537	6	88		✓	575			end Job
	0537		"		✓	1000			Lead Plug
	0542	0	"						Reverse PSI
	0543	0	"		✓	0			Floater Holds
	0550								WASH P.T.
	0625								Reck up
	0625								Do Tickets
	0650								Job Complete

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 4-30-1997
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1 bbl over
 CMT Circ to pit Appx. 75 sus
 witnessed by Daugh
 Hal Porter

THANK YOU
DAVE, RAY, TIM



HALLIBURTON ENERGY SERVICES

HAL-1906-P

15-051-24956-0000

CHARGE TO:
Imperial American Oil Corp.
 ADDRESS:
 CITY, STATE, ZIP CODE:

CUSTOMER COPY ⁴⁸ ⁸⁰ **TICKET**
 No. **196116 - 8**

PAGE 1 OF 2

SERVICE LOCATIONS 1. HAC VA 025505	WELL/PROJECT NO. #1	LEASE Dale Solomon	COUNTY/PARISH Ellis	STATE KS	CITY/OFFSHORE LOCATION	DATE 3-10-97	OWNER
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR Murphy Oil Co.	RIG NAME/NO. #3	SHIPPED VIA C.T.	DELIVERED TO Well Site	ORDER NO.
3.	WELL TYPE 01	WELL CATEGORY 01	JOB PURPOSE 035	WELL PERMIT NO.	WELL LOCATION 29-11s-19w		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
000-117		1			MILEAGE	40	mi	1	hour	2.99	119.60
001-016		1			Pump Charge	3725	FT			1617.00	1,617.00
030-016		1			5w Top Plug	1	ea	5 1/2	in	60.00	60.00
12A	825.205	1			Crowd Shoe	1	ea	5 1/2	in	121.00	121.00
24A	815.19251	1			Insert (left valve)	1	ea	5 1/2	in	131.00	131.00
27	815.19313	1			Fillup Assy	1	ea	5 1/2	in	69.00	69.00
40	806.60022	1			S-1 Connectors	5	ea	5 1/2	in	60.00	300.00
56	806.71230	1			Recipro Cable Scrubbers	10	ea	5 1/2	in	19.00	190.00
320	806.71430	1			Cement Baskets	3	ea	5 1/2	in	104.00	312.00
018-303		1			Clay Coat II	2	gal			28.00	56.00
018-317		1			Super Plug	7	ea			100.00	700.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: **3-10-97** TIME SIGNED: **12:00**
 A.M. P.M.
 do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN
 TYPE LOCK DEPTH
 BEAN SIZE SPACERS
 TYPE OF EQUALIZING SUB. CASING PRESSURE
 TUBING SIZE **1 1/2** TUBING PRESSURE **1100** WELL DEPTH
 TREE CONNECTION **TOP CONNECTION** TYPE VALVE **1 1/2**

SURVEY AGREED UN-DECIDED DIS-AGREED

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

CUSTOMER DID NOT WISH TO RESPOND

ORIGINAL

PAGE TOTAL	3,675.60
FROM CONTINUATION PAGE(S)	6,492.43
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): **HAC PORTER** CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): **[Signature]** HALLIBURTON OPERATOR/ENGINEER: **[Signature]** EMP #: **121109** HALLIBURTON APPROVAL: **[Signature]**

TERMS AND CONDITIONS

(1295)

For good and valuable consideration received, Customer (as identified on the face of this document) and Halliburton Energy Services, a division of Halliburton Company (hereinafter "Halliburton") agree as follows:

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton.

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

C. RELEASE AND INDEMNITY - CUSTOMER AGREES TO RELEASE HALLIBURTON GROUP FROM ANY AND ALL LIABILITY FOR ANY AND ALL DAMAGES WHATSOEVER TO PROPERTY OF ANY KIND OWNED BY, IN THE POSSESSION OF, OR LEASED BY CUSTOMER AND THOSE PERSONS AND ENTITIES CUSTOMER HAS THE ABILITY TO BIND BY CONTRACT. CUSTOMER ALSO AGREES TO DEFEND, INDEMNIFY, AND HOLD HALLIBURTON GROUP HARMLESS FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, COSTS, EXPENSES, ATTORNEY FEES AND DAMAGES WHATSOEVER FOR PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE AND LOSS RESULTING FROM:

LOSS OF WELL CONTROL; SERVICES TO CONTROL A WILD WELL WHETHER UNDERGROUND OR ABOVE THE SURFACE; RESERVOIR OR UNDERGROUND DAMAGE, INCLUDING LOSS OF OIL, GAS, OTHER MINERAL SUBSTANCES OR WATER; SURFACE DAMAGE ARISING FROM UNDERGROUND DAMAGE; DAMAGE TO OR LOSS OF THE WELL BORE; SUBSURFACE TRESPASS OR ANY ACTION IN THE NATURE THEREOF; FIRE; EXPLOSION; SUBSURFACE PRESSURE; RADIOACTIVITY; AND POLLUTION AND ITS CLEANUP AND CONTROL.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS WILL APPLY EVEN IF THE LIABILITY AND CLAIMS ARE CAUSED BY THE SOLE, CONCURRENT, ACTIVE OR PASSIVE NEGLIGENCE, FAULT, OR STRICT LIABILITY OF ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, THE UNSEAWORTHINESS OF ANY VESSEL OR ANY DEFECT IN THE DATA, PRODUCTS, SUPPLIES, MATERIALS OR EQUIPMENT FURNISHED BY HALLIBURTON GROUP WHETHER IN THE DESIGN, MANUFACTURE, MAINTENANCE OR MARKETING THEREOF OR FROM A FAILURE TO WARN OF SUCH DEFECT. "HALLIBURTON GROUP" IS DEFINED AS HALLIBURTON, ITS PARENT, SUBSIDIARY, AND AFFILIATED COMPANIES AND ITS/THEIR OFFICERS, DIRECTORS, EMPLOYEES, AND AGENTS. CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS OBLIGATIONS APPLY WHETHER THE PERSONAL INJURY, ILLNESS, DEATH, PROPERTY DAMAGE OR LOSS IS SUFFERED BY ONE OR MORE MEMBERS OF THE HALLIBURTON GROUP, CUSTOMER, OR ANY OTHER PERSON OR ENTITY AND THE CUSTOMER WILL SUPPORT SUCH OBLIGATIONS ASSUMED HEREIN WITH LIABILITY INSURANCE TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton equipment lost or lodged in the well. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless such loss is caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, this agreement will constitute Customer's written agreement under 10 CFR Sec. 39.15 (a) that Customer shall be responsible for meeting all requirements of 10 CFR Sec. 39.15 and any other applicable laws or regulations concerning retrieval, monitoring, decontamination and abandonment, and Customer shall permit Halliburton to observe the recovery or abandonment efforts, all without risk or expense to Halliburton. Customer shall be responsible for damage to or loss of Halliburton equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this agreement and that same are free from defects in workmanship and materials for one year from date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to by Halliburton's negligence or fault. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this agreement shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. WAIVER - Customer agrees to waive the provisions of the Texas Deceptive Trade Practices-Consumer Protection Act or any similar federal or state statute to the extent permitted by law.

H. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this agreement, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 5151 San Felipe, Houston, Texas 77056.



HALLIBURTON ENERGY SERVICES

15-051-24956-00-00
 TICKET CONTINUATION CUSTOMER COPY

TICKET No. _____

FORM 1911 R-10

CUSTOMER: ~~Imperial American Oil Co.~~ Dale Saoran
 WELL: Dale Saoran
 DATE: 3-10-07
 PAGE: _____ OF _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	WELL				DATE		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M	DATE	DATE		
504-280	ORIGINAL	1			Mid Con 11	350						13.53	4,735.50
509-406		1			Calcium Chloride Blended	6						40.75	244.50
507-210		1			Flocele Blended	72	lb					1.65	118.80
508-291		1			Gilsonite Blended	625	lb					.40	250.00
507-775		1			Halad-322 Blended	35	lb					7.00	245.00
500-207					SERVICE CHARGE							1.35	527.85
500-306		1			MILEAGE CHARGE							1.05	370.78
					TOTAL WEIGHT	35,312							
					LOADED MILES	20							
					CUBIC FEET	391							
					TON MILES	353.120							

No. B 339187

CONTINUATION TOTAL

6,492.43

ORIGINAL

IMPERIAL AMERICAN OIL CORP.
P.O. BOX 18515
FOUNTAIN HILLS AZ 85269

15-051-24956-00-00

DALE SOLOMAN #1

SEC 29-11S-19W
ELLIS, KS
API Well No.:

Cementing
Bid

Prepared for: **HAL C. PORTER**

3/9/97

Version
1

Prepared by:
Jim W. Reno
Halliburton Energy Services
1102 E. 8th Street
P.O. Box 428
Hays, Kansas 67601
1-800-437-4751

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The Future Is Working Together.

97030010



15-051-24956-00-00

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Cement Production Casing

Calculations

15-051-24956-00-00

LEAD CEMENT: (1700 ft fill)

1665 ft * 0.1733 ft³/ft * 145 % = 706.75 ft³

35 ft * 0.1733 ft³/ft * 230 % = 20.01 ft³

TOTAL LEAD CEMENT = 726.76 ft³
= 129.45 bbls

MUD SPACER: (901 ft fill)

901 ft * 0.1733 ft³/ft * 230 % = 515.14 ft³

TOTAL MUD SPACER = 515.14 ft³
= 91.75 bbls

CLA FIX: (236 ft fill)

236 ft * 0.1733 ft³/ft * 230 % = 134.93 ft³

TOTAL CLA FIX = 134.93 ft³
= 24 bbls

SUPER FLUSH: (128 ft fill)

128 ft * 0.1733 ft³/ft * 230 % = 73.18 ft³

TOTAL SUPER FLUSH = 73.18 ft³
= 13 bbls

TAIL CEMENT: (700 ft fill)

700 ft * 0.1733 ft³/ft * 65 % = 200.11 ft³

TOTAL TAIL CEMENT = 200.11 ft³
= 35.64 bbls

SHOE JOINT VOLUME: (40 ft fill)

40 ft * 0.0244 bbl/ft = 5.48 ft³
= 0.98 bbls

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Cement Production Casing

TAIL CEMENT PLUS SHOE JOINT = 205.59 ft³
= 36.62 bbls

TOTAL DISPLACEMENT VOLUME: (3700 ft casing)

3700 ft * 0.0244 bbl/ft = 90.28 bbls

= 90.28 bbls

DISPLACEMENT VOLUME TO SHOE JOINT:

90.28 bbls - 0.98 bbls = 89.31 bbls

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Cement Production Casing

Job Recommendation

15-051-24956-00-00

FLUID 1: LEAD CEMENT
MIDCON-2 STANDARD CEMENT
 2% Calcium Chloride - Anhy (Accelerator)
 .25 lb/sk Flocele (Lost Circulation)
 Mixed With Fresh Water

Fluid Weight: 11.10 lb/gal
 Fluid Yield: 3.22 ft³/sk
 Fluid Water Ratio: 20.22 gal/sk
 Total Mixing Fluid: 108.3 bbls
 Top of Fluid: 35 ft
 Calculated Fill: 1700 ft
 Fluid Volume: 129.45 bbls
 Calculated Volume: 226.00 sks
 Proposed Volume: 225 sks

FLUID 2: MUD SPACER

Top of Fluid: 1700 ft
 Calculated Fill: 901 ft
 Fluid Volume: 91.75 bbls

FLUID 3: CLA FIX
 Mud Flush

Fluid Volume: 10 bbls

FLUID 4: SUPER FLUSH
 SUPER FLUSH

Top of Fluid: 2872 ft
 Calculated Fill: 128 ft
 Fluid Volume: 13 bbls

FLUID 5: TAIL CEMENT
MIDCON-2 STANDARD CEMENT
 2% Calcium Chloride - Anhy (Accelerator)
 5 lb/sk Gilsonite (bulk) (Lost Circulation)
 .3% HALAD®-322 (Fluid Loss)
 .125 lb/sk Flocele (Lost Circulation)
 Mixed With Fresh Water

Fluid Weight: 13.79 lb/gal
 Fluid Yield: 1.65 ft³/sk
 Fluid Water Ratio: 7.89 gal/sk
 Total Mixing Fluid: 23.5 bbls
 Top of Fluid: 3000 ft
 Calculated Fill: 700 ft
 Fluid Volume: 36.62 bbls
 Calculated Volume: 121.7 sks
 Shoe Joint Volume: 3.32 sks
 Total Volume: 125.00 sks
 Proposed Volume: 125 sks

FLUID 6: DISPLACEMENT

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HALLIBURTON

15-051-24956-00-00

ORIGINAL

Cement Production Casing

Total Displacement Volume:	90.28 bbls
Spacer On Top Of Plug:	0 bbls
Displacement to Shoe Joint:	89.31 bbls

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ORIGINAL

Cement Production Casing

15-051-24956-00-00

Cost Estimate

Price Ref	Description	Qty	U/M	Unit Price	Total
000-117	MILEAGE CEMENTING ROUND TRIP	40	MI	\$ 2.99	\$ 119.60
		1	UNT		
001-016	CEMENTING CASING	3700	FT	1,617.00	1,617.00
		1	UNT		
030-016	CEMENTING PLUG 5W ALUM TOP	5.5	IN	60.00	60.00
		1	EA		
12A	GUIDE SHOE - 5 1/2" 8RD THD. Part Number: 825.205	1	EA	121.00	121.00
24A	INSERT FLOAT VALVE - 5 1/2"8RD Part Number: 815.19251	1	EA	131.00	131.00
27	FILL-UP UNIT 5 1/2"-6 5/8" Part Number: 815.19313	1	EA	69.00	69.00
40	CENTRALIZER-5-1/2 X 7-7/8 Part Number: 806.60022	5	EA	60.00	300.00
56	WIPER-RECIPROCATING WALL CLEAN Part Number: 806.71230	10	EA	19.00	190.00
320	CEMENT BASKET 5 1/2" Part Number: 800.8883	3	EA	104.00	312.00
018-303	CLAYFIX II- PER GAL	2	GAL	28.00	56.00
018-317	SUPER FLUSH	7	SK	100.00	700.00
504-280	MIDCON-2 STANDARD CEMENT	350	SK	13.53	4,735.50
509-406	ANHYDROUS CALCIUM CHLORIDE	6	SK	40.75	244.50
507-210	FLOCELE	72	LB	1.65	118.80
508-291	GILSONITE BULK	625	LB	0.40	250.00
507-775	HALAD-322	35	LB	7.00	245.00
500-207	BULK SERVICE CHARGE	391	CFT	1.35	527.85
500-306	MILEAGE CMTG MAT DEL OR RETURN	353.12	TMI	1.05	370.78

TOTAL AMOUNT	\$ 10,168.03
DISCOUNT AMOUNT	3,355.44
DISCOUNTED TOTAL	\$ 6,812.59

NOTE: Service Location - Hays

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15-651-24956-00-00

March 17, 1997

Dale Solomon No. 1
Ellis County, Kansas

Drill Stem Test Report

6 March 1997

DST No. 1: Topeka, 3115'-3140'; IFP 59 FFP 92 ISIP 714 FSIP 699 HP 1454 45-45-45-45
Rec: 130 feet muddy water.

7 March 1997

DST No. 2: Lansing C & D, 3382'-3432'; No Initial Blow, No blow throughout, FP 26-32,
SIP 813. Rec: 5 feet drilling mud w/specks of oil.

8 March 1997

DST No. 3: Lansing F and G, 3420'-3470'; 45-45-45-45; Good blow, to BOB. IFP 299 FFP
395 ISIP 750 FSIP 732. Rec: 642 feet muddy water.

DST No. 4: Arbuckle, 3565'-3660'; Tool Plugged. Mis-Run.

9 March 1997

DST No. 5: Arbuckle, 3567'-3665'; Strong BOB blow initially and throughout. Tool plugged
both open periods. Flushed tool. Tool unplugged second flow period. 30-30-30-30; IFP 204
FFP 492 ISIP 1146 FSIP 1156 Rec: 300' mud cut oil, 180' muddy gassy oil, 300' slightly mud
cut gassy oil.

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